



PRODUCT SPECIFICATION

Model No.: FYL-5013UBC1C15

Descriptions:
<ul style="list-style-type: none"> ■ Dice material: InGaN. ■ Emitting Color: Super bright Blue. ■ Device Outline: Φ5mm round type. ■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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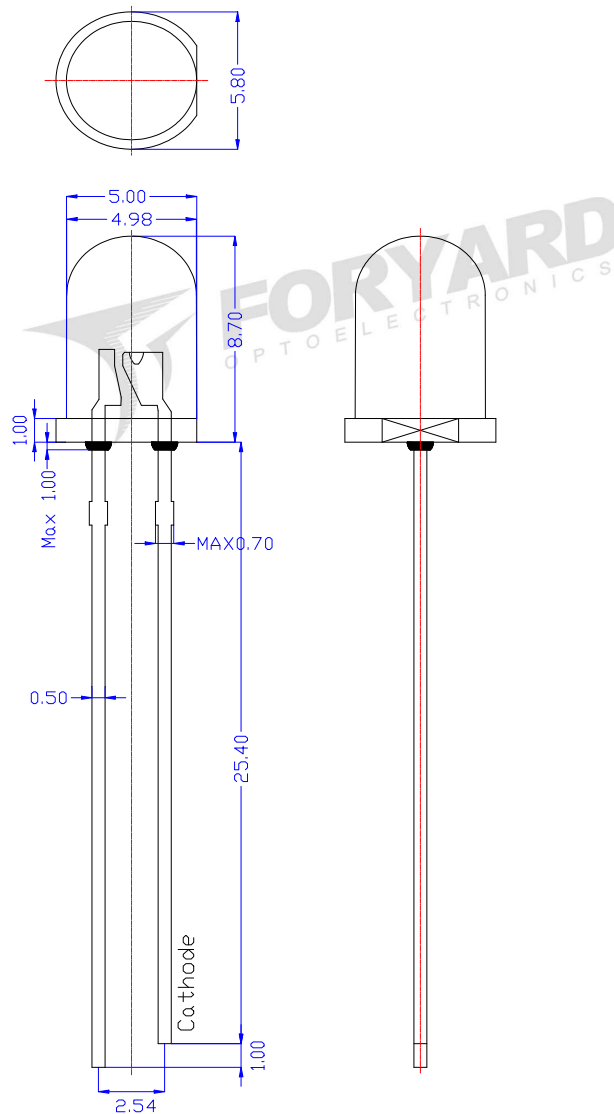
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■ ⑤ Features

- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

■ Package configuration



- Notes:
1. All dimensions are millimeters (inches)
 2. Tolerance is $\pm 0.25\text{mm}$ ($.010''$) unless otherwise noted.
 3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice

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■ Absolute Maximun Ratings(Ta=25° C)

Parameter	MAX.	Unit
Power Dissipation	110	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

■ Typical Electrical &Optical Charcteristics(Ta=25°C)

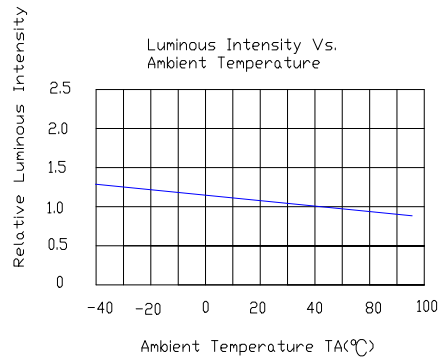
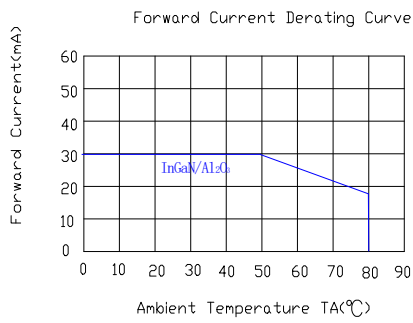
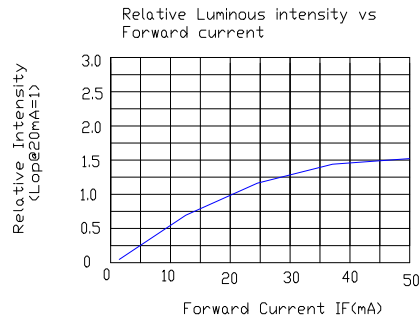
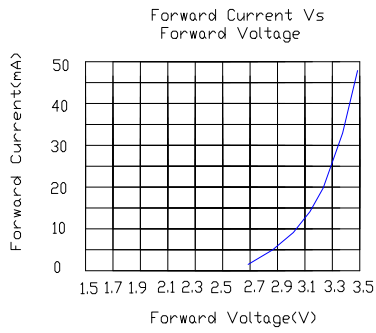
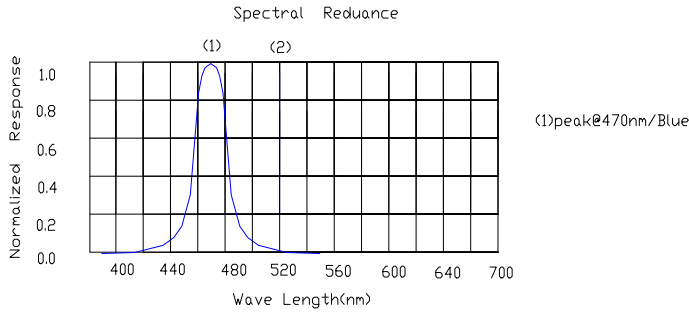
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	-	7000	-	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	-	15	-	Deg	
Peak Emission Wavelength	λ_p	-	470	-	nm	
Dominant Wavelength	λ_d	464	470	473	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	20	-	nm	
Forward Voltage	V_F	2.8	3.0	3.4	V	VR=5V
Reverse Current	I_R			10	μ A	

Note:

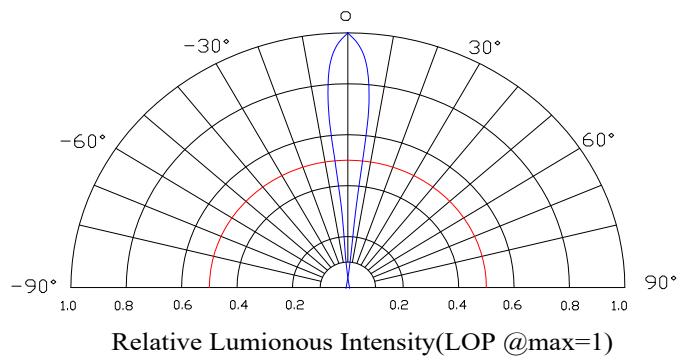
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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Typical Electrical/Optical Characteristics Curves(Ta=25°C Unless Otherwise Noted)

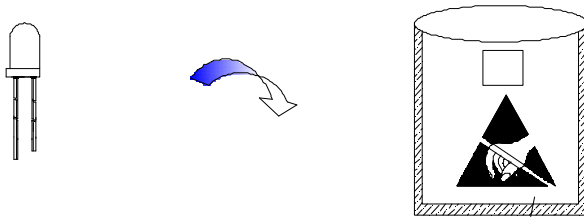


Radiation pattern.

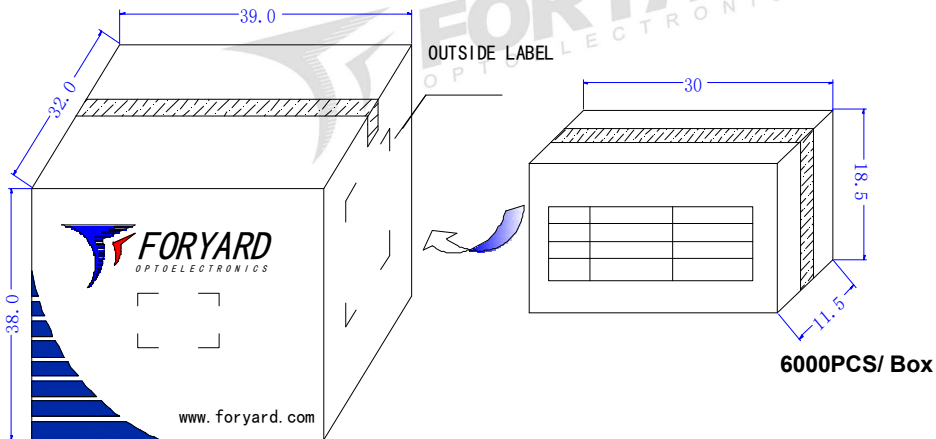
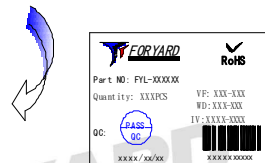


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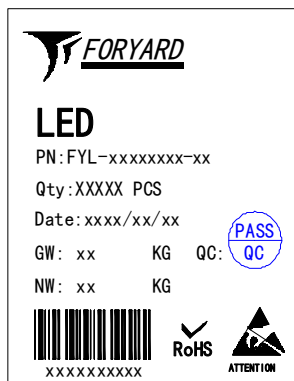
⑤ ■ LAMP PACKING.



5mm 500PCS/Polybag



36000PCS/ Carton



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.